

Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1-39. (canceled)
40. (New) A pump mechanism for a breastpump, comprising:
a motor-driven drive train including a crank connected to a pair of suction subassemblies, each suction subassembly further having a connecting rod rotatably connected to the crank at a first end, a diaphragm connected to the connecting rod at a second end, a base member sealably connectible to the diaphragm to cooperatively define a expansible chamber therebetween, the base member being constructed and arranged to produce at least a negative pressure upon movement of the diaphragm and having an outlet in communication with the expansible chamber and a breastshield, whereby a change in pressure produced in the expansible chamber is communicated to the breastshield.
41. (New) The pump mechanism of Claim 40, wherein each connecting rod second end includes a piston portion
42. (New) The pump mechanism of Claim 41, wherein each piston portion is connected to a respective diaphragm.
43. (New) The pump mechanism of Claim 40, wherein the crank includes at least one eccentric portion.
44. (New) The pump mechanism of Claim 43, wherein each eccentric portion functions as a cam.

45. (New) The pump mechanism of Claim 40, wherein each suction subassembly expansible chamber communicates with a respective breast shield.

46. (New) The pump mechanism of Claim 40, further comprising a housing, in which the motor-driven drive train is disposed.

47. (New) The pump mechanism of Claim 46, wherein the diaphragms are disposed on opposite sides of the housing.

48. (New) The pump mechanism of Claim 47, wherein the base members are disposed on a side of the diaphragms opposite the housing.

49. (New) The pump mechanism of Claim 48, wherein the pair of base members are each a rigid cap.

50. (New) The pump mechanism of Claim 40, wherein the motor-driven drive train is arranged to produce a negative pressure in both of the pair of subassemblies simultaneously.

51. (New) A pump mechanism for a breastpump comprising:

- a motor;

- a first and a second expansible chamber, each expansible chamber having an element which is moveable relative to a base member with the element and base member being generally air sealed with respect to each other so as to form a variable volume therebetween and produce at least a negative pressure by movement of the element relative to the base member,

- an outlet provided in communication with each expansible chamber for connecting to a breastshield in communication with a respective variable volume and;

- a drive train connected to the motor to move each expansive chamber element relative to a respective base member, wherein the element is a flexible diaphragm and the base member is a rigid member to which the diaphragm is mounted and having a respective outlet formed in the rigid member, the diaphragm being movable in relation to the rigid

member by the drive train, which includes an eccentric rotated by the motor, with a pair of pistons mounted to move with the eccentric, the diaphragms of the first and second expansible chambers being connected to the pistons, so as to expand and contract the volumes of the expansible chambers as the eccentric is rotated.

52. (New) A pump mechanism for a breastpump comprising:
- a motor;
 - a drive train connected to the motor, the drive train including a crank and a pair of connecting rods rotatably connected to the crank;
 - a pair of diaphragms, with each of the pair of diaphragms connected to a respective one of the pair of connecting rods;
 - a pair of base members defining at least in part a respective first and a second expansible chamber, each expansible chamber being generally air sealed with a respective one of the pair of base members so as to form a variable volume therein and produce at least a negative pressure by movement of the diaphragms relative to the base members, and
 - an outlet provided in communication with each of the first and second expansible chambers for connecting to a breastshield in communication with a respective the variable volume.

53. (New) The pump mechanism of Claim 52, wherein each of the pair of connecting rods includes a piston portion, each the piston portion of the connecting rods being connected to one of the pair of diaphragms.

54. (New) The pump mechanism of Claim 52, wherein the crank includes one or more eccentric portion.

55. (New) The pump mechanism of Claim 54, wherein the eccentric portion functions as a cam.

56. (New) The pump mechanism of Claim 54, wherein the crank includes a pin attached to the one or more eccentric portion.

57. (New) The pump mechanism of Claim 56, wherein the pin is attached normal to the eccentric portion.

58. (New) The pump mechanism of Claim 52, further comprising a housing, in which the drive train is positioned.

59. (New) The pump mechanism of Claim 52, wherein the housing is a one-piece, generally cylindrical housing.

60. (New) The pump mechanism of Claim 59, wherein the pair of diaphragms is disposed on opposing ends of the housing.

61. (New) The pump mechanism of Claim 59, wherein the base members are disposed on opposite sides of the housing.

62. (New) The pump mechanism of Claim 61, wherein the pair of base members are each a rigid cap.

63. (New) A pump mechanism for a breastpump comprising:
a motor;
a crank connected to the motor;
a pair of connecting rods rotatably connected to the crank;
a pair of diaphragms, each of the pair of diaphragms connected to a respective one of the pair of connecting rods;
a pair of caps, each of the rigid caps defining with a respective one of the pair of diaphragms a respective first and a second expansible chamber so as to form a variable volume therein and produce at least a negative pressure by movement of the diaphragms relative to the caps, and
an outlet provided in each of the pair of caps in communication with the first and second expansible chambers for connecting to a respective breastshield in communication with a respective the variable volume.

64. (New) An improved pump mechanism for a breastpump capable of double-breast pumping using two beat shields where the improvement comprises:
a motor;
a drive train connected to the motor; and

a pair of diaphragm pumping chambers, connected to the drive train and adapted to produce a negative pressure by movement of a diaphragm in its respective chamber, with an outlet provided in each of the pair for connecting to a respective breastshield.